

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BEAM REACTIONS

R <sub>1</sub>	(K)	18.0
R <sub>2</sub>	(K)	37.8
Imp.	(K)	11.0

Notes:

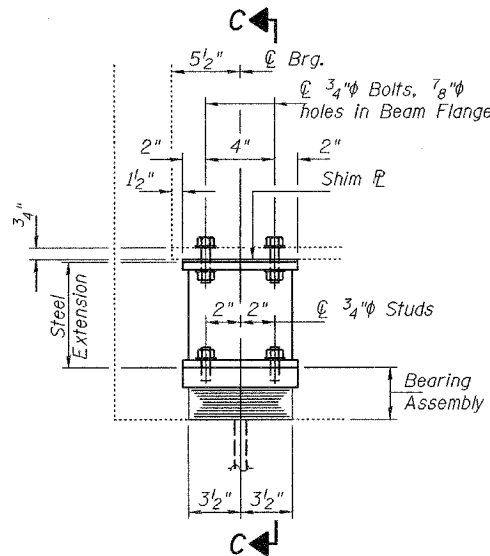
Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.  
New steel extensions, side retainers, shim plates, connection bolts, and anchor bolts are included with Furnishing and Erecting Structural Steel.  
See Sheet 9 of 11 for Anchor Bolt installation.  
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.  
Min. jack capacity = 35 Tons.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		Effingham	17	10
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

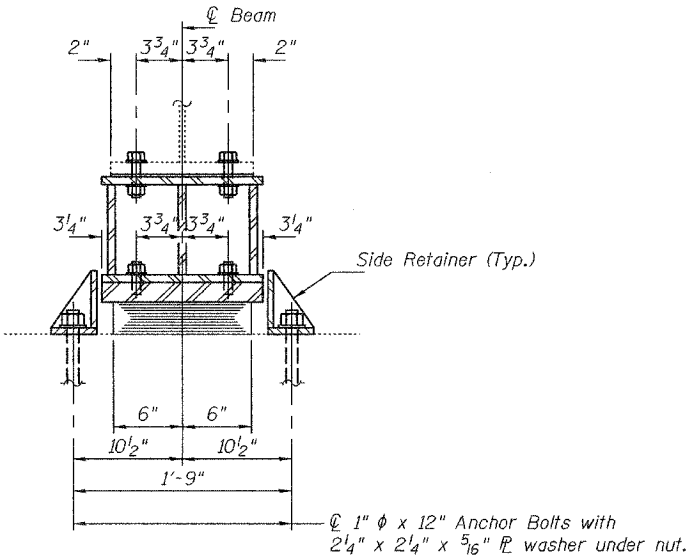
Contract Number: 74119

SHEET NO. 4

11 SHEETS

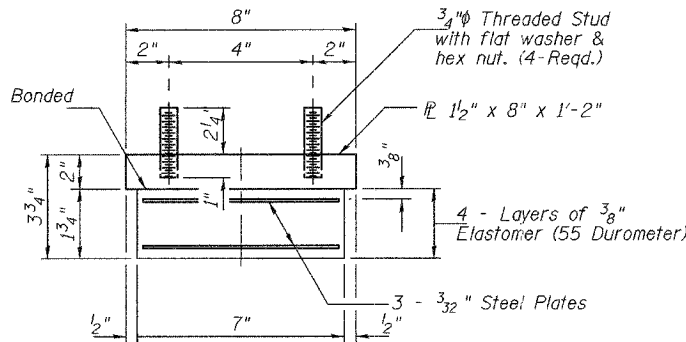


ELEVATION AT ABUTMENT



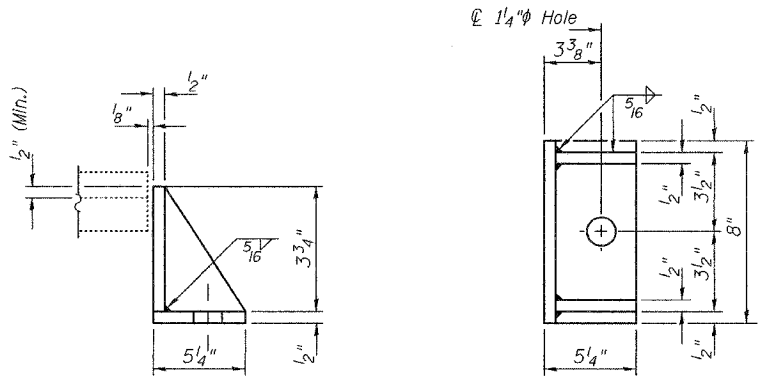
SECTION C-C

TYPE I ELASTOMERIC EXP. BRG.



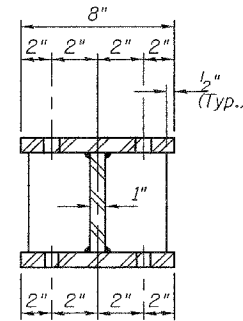
BEARING ASSEMBLY

Note:  
Shim plates shall not be placed under Bearing Assembly.

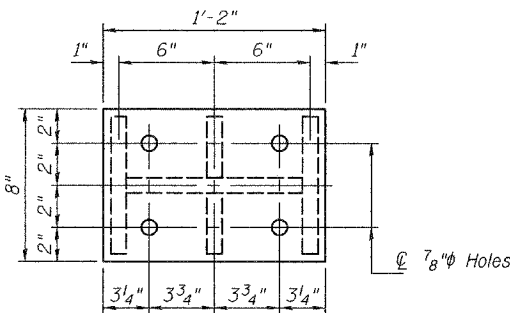


SIDE RETAINER

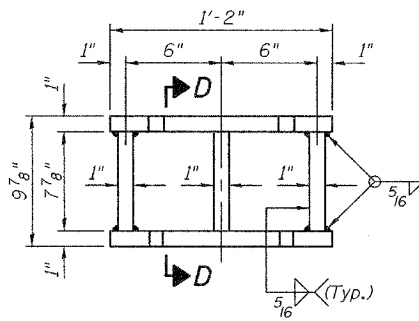
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



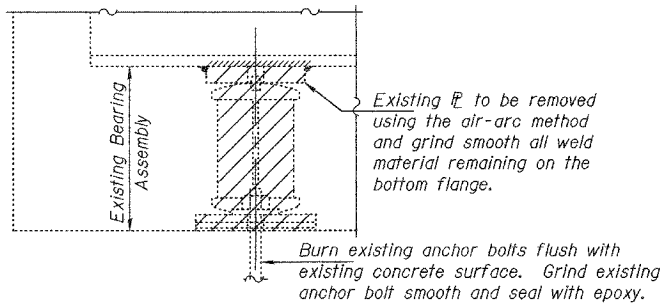
SECTION D-D



PLAN TOP AND BOTTOM PLATE



STEEL EXTENSION DETAIL



EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	6
Jack and Remove Existing Bearings	Each	6
Furnishing and Erecting Structural Steel	Pound	1,040

BEARING REPLACEMENT DETAILS

NORTH ABUTMENT  
F.A.I. RT. 57 SOUTH BOUND  
OVER GREEN CREEK  
EFFINGHAM COUNTY  
SN 025-0004

DESIGNED	A.T.H.
CHECKED	S.J.B.
DRAWN	Drew Christopher
CHECKED	A.T.H. S.J.B.

EXAMINED	March 6, 2006
PASSED	John A. Morris ENGINEER OF STRUCTURAL SERVICES
	Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

TYI/REPS 8-20-2002